

FIG. 1

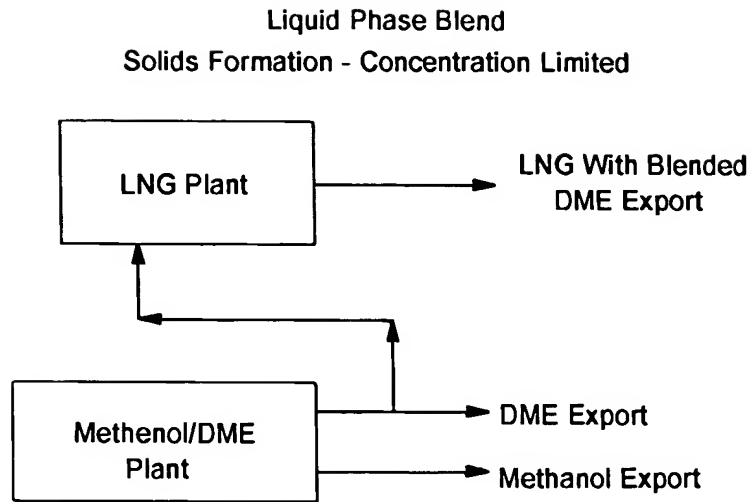


FIG. 2

Vapor Phase Blend
Solids Formation - No Concentration Limit

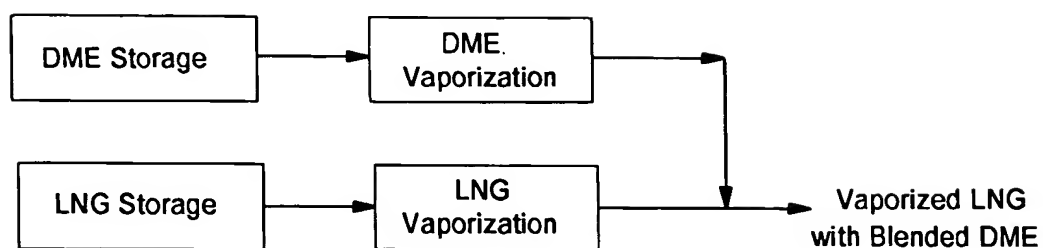


FIG. 3

Blending Cases							
	A	Ex. 1	Ex. 2	B	C	Ex. 3	D
Criteria	LNG	LNG+5% DME	LNG+5% Propane	LNG+10% DME	LNG+10% Propane	LNG+10% DME	LNG+10% Propane
Higher Heating Value, Btu/SCF	1025	1056	1056	1100	1100	1088	1174
Pressure [psia]	14.696	14.696	500	14.696	500	500	500
Temperature [F]	-262	-262	60	-262	60	60	60
Mixture Phase	Liquid	Liquid	Vapor	Liquid	Vapor	Vapor	Vapor
Bubble Point Temperature [F]	-262	-262	-130	-262	-129	-127	-125
Dew Point Temperature [F]	-151	-106	-7	-129	-33	27	-3
Compositions							
Component	Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent	Mole Percent
Nitrogen	0.70%	0.67%	0.67%	0.67%	0.67%	0.63%	0.63%
Methane	97.01%	92.16%	92.16%	92.16%	92.16%	87.30%	87.30%
Ethane	1.80%	1.71%	1.71%	1.71%	1.71%	1.62%	1.62%
Propane	0.34%	0.32%	0.32%	5.32%	0.31%	0.31%	10.31%
i-Butane	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%
n-Butane	0.08%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
i-Pentane	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
n-Pentane	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
n-Hexane Plus	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Dimethylether (DME)	0.00%	5.00%	5.00%	0.00%	0.00%	10.00%	0.00%
Molecular Weight	16.54	18.01	17.92	17.92	17.92	19.49	19.29

FIG. 4

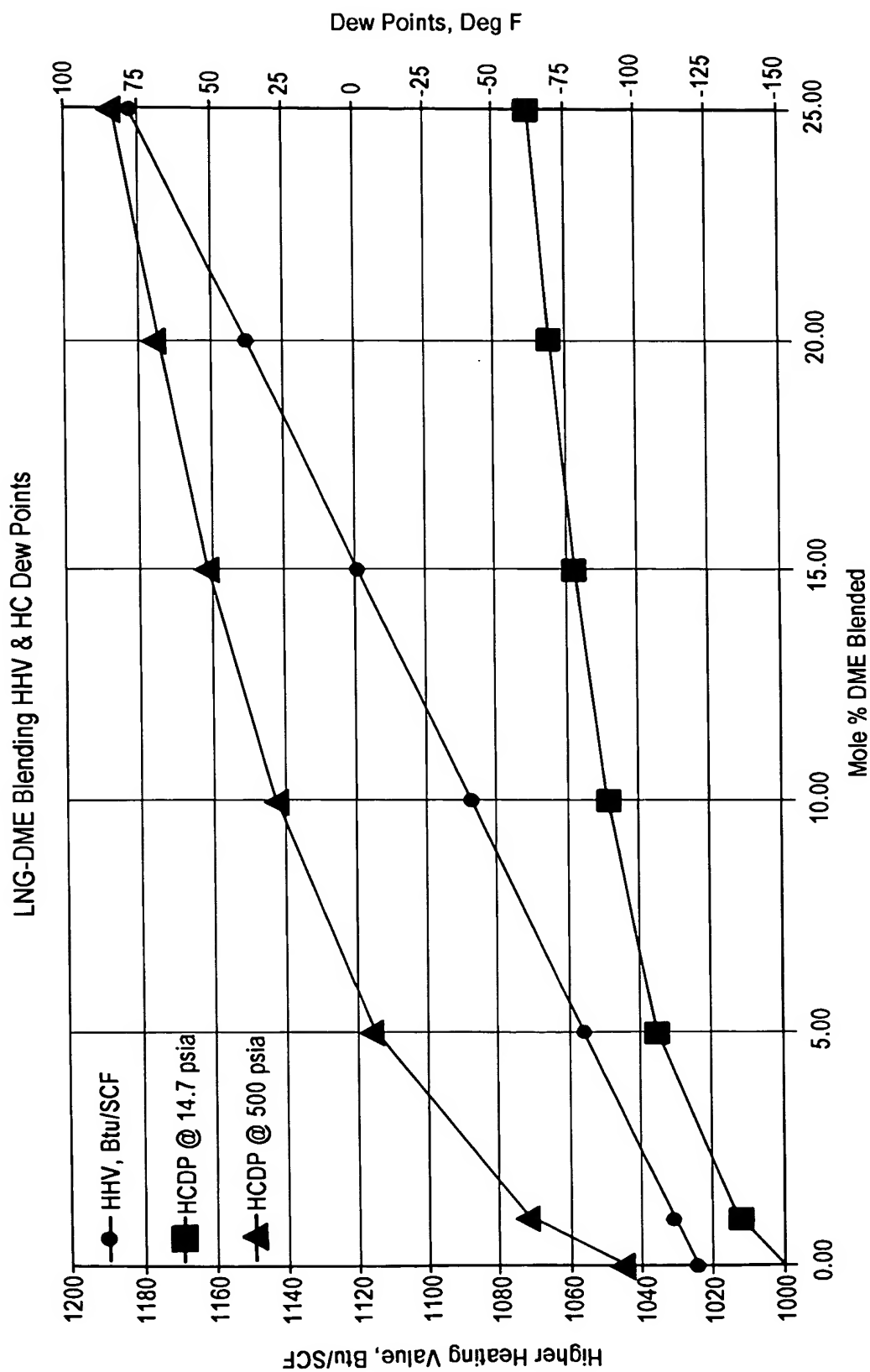


FIG. 5